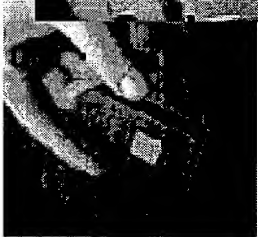


REPLACEMENT SHEET



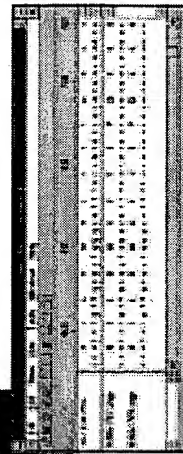
Probe Arrays



Fluidics Station



Scanner



Software

FIGURE 1



REPLACEMENT SHEET

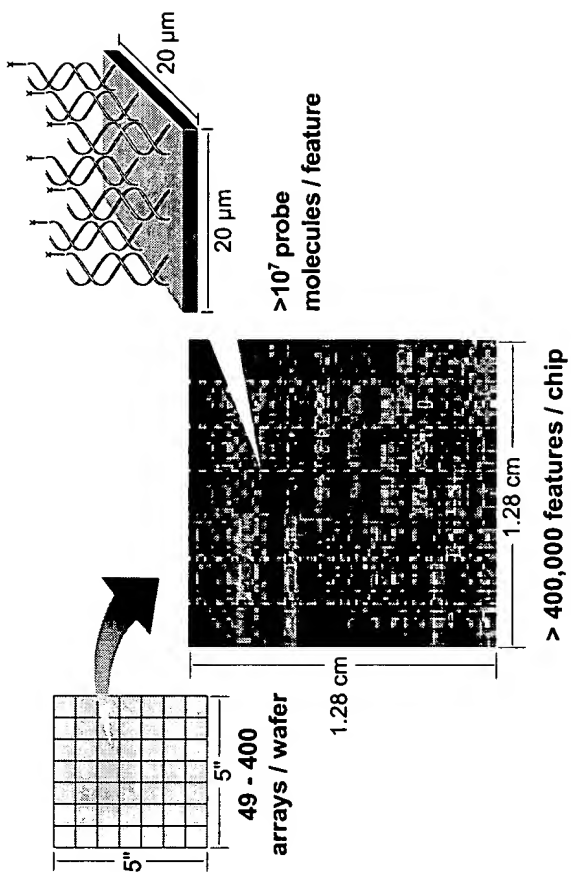


FIGURE 2



REPLACEMENT SHEET

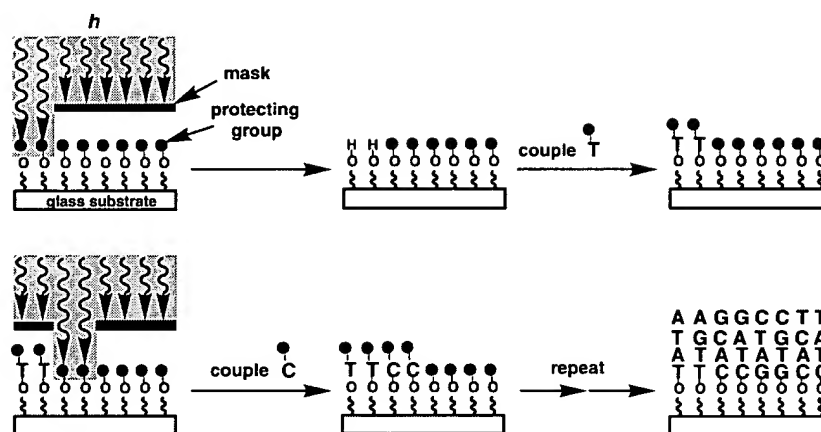


FIGURE 3

REPLACEMENT SHEET

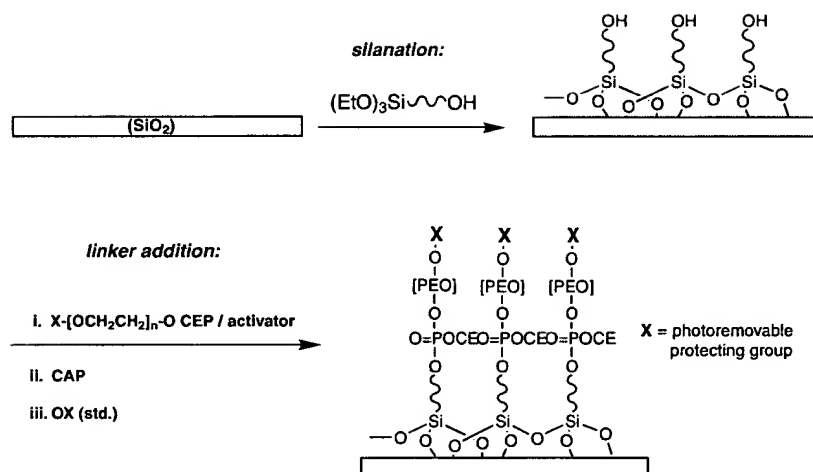


FIGURE 4

REPLACEMENT SHEET

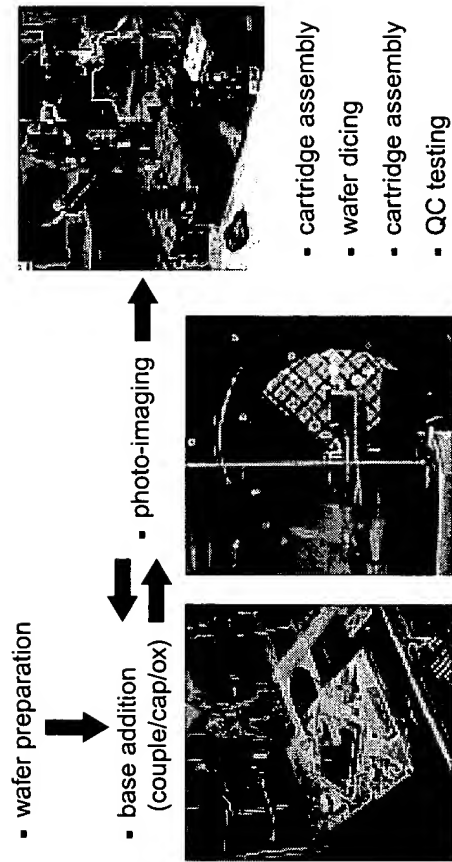
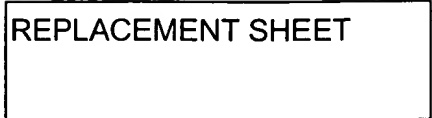


FIGURE 5





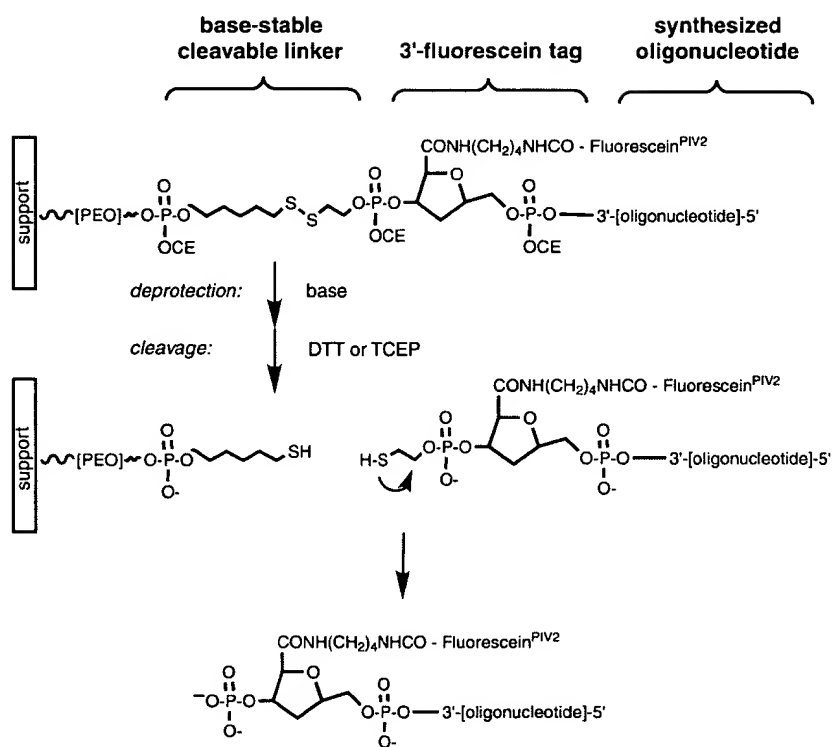
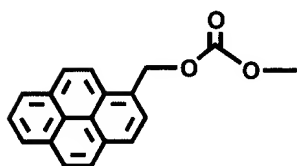
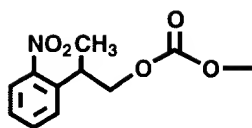


FIGURE 7

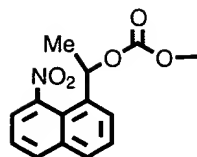
REPLACEMENT SHEET



PYMOC (ref 10)



NPPOC (refs . 11,13)



NNEOC (ref. 8)

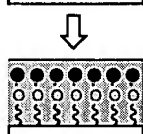
FIGURE 8

REPLACEMENT SHEET

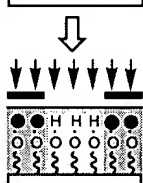
Derivatized
Glass
Substrate



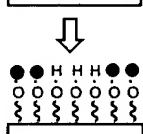
Apply PAG-
Polymer Film



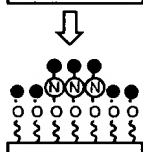
Expose PAG-
Polymer Film



Strip PAG-
Polymer Film



Couple next
DMT-nucleotide



● = DMT

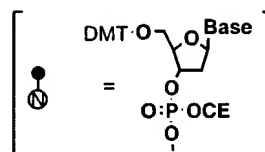
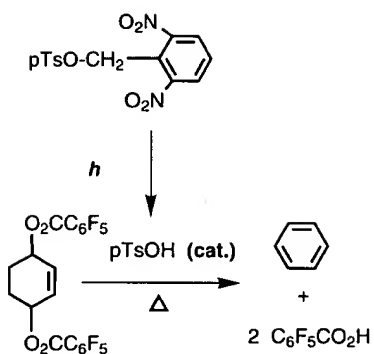


FIGURE 9

REPLACEMENT SHEET

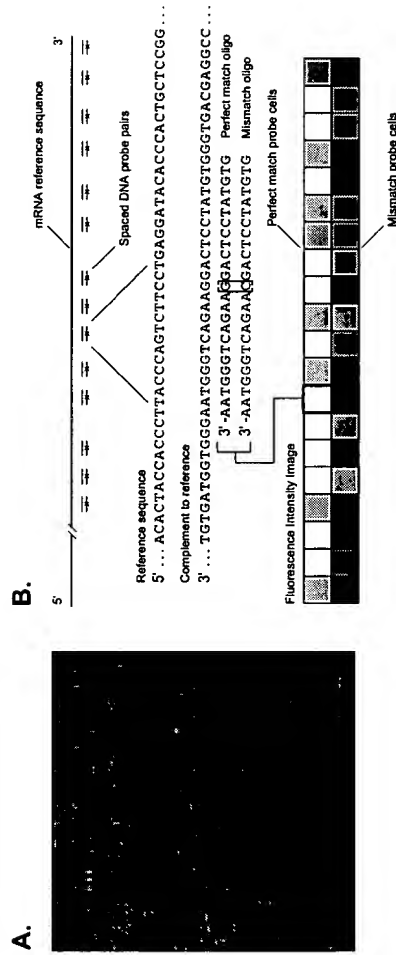


FIGURE 10



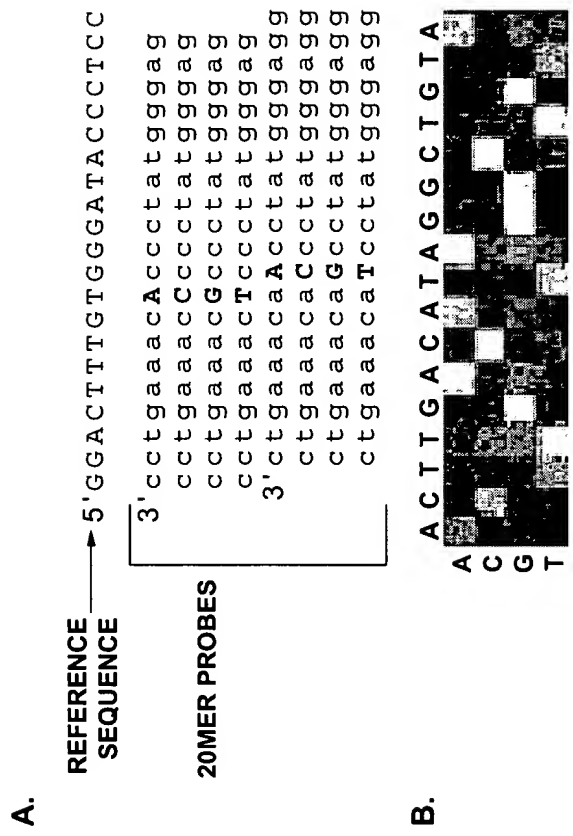


FIGURE 11

REPLACEMENT SHEET

A.

-4	-1	0	+1	+4
MM A	MM A	MM [*]	MM A	MM A
PM A	PM A	PM A	PM A	PM A
PM B	PM B	PM B	PM B	PM B
MM B	MM B	MM [*]	MM B	MM B

B.

REFERENCE
SEQUENCE . . . GGTGATTATGAACCTACTAT . . .

PROBE SEQUENCE

ALLELE A	C C A C T A A T A C A T G G A T G A T A	MM
	C C A C T A A T A C T T G G A T G A T A	PM
ALLELE B	C C A C T A A T A C C T G G A T G A T A	PM
	C C A C T A A T A C G T G G A T G A T A	MM

C.

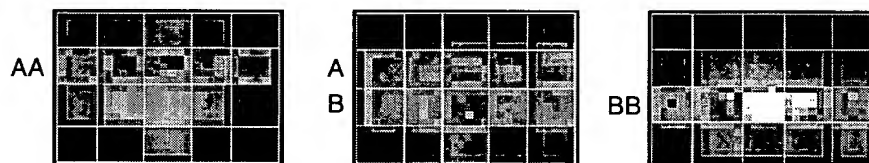


FIGURE 12

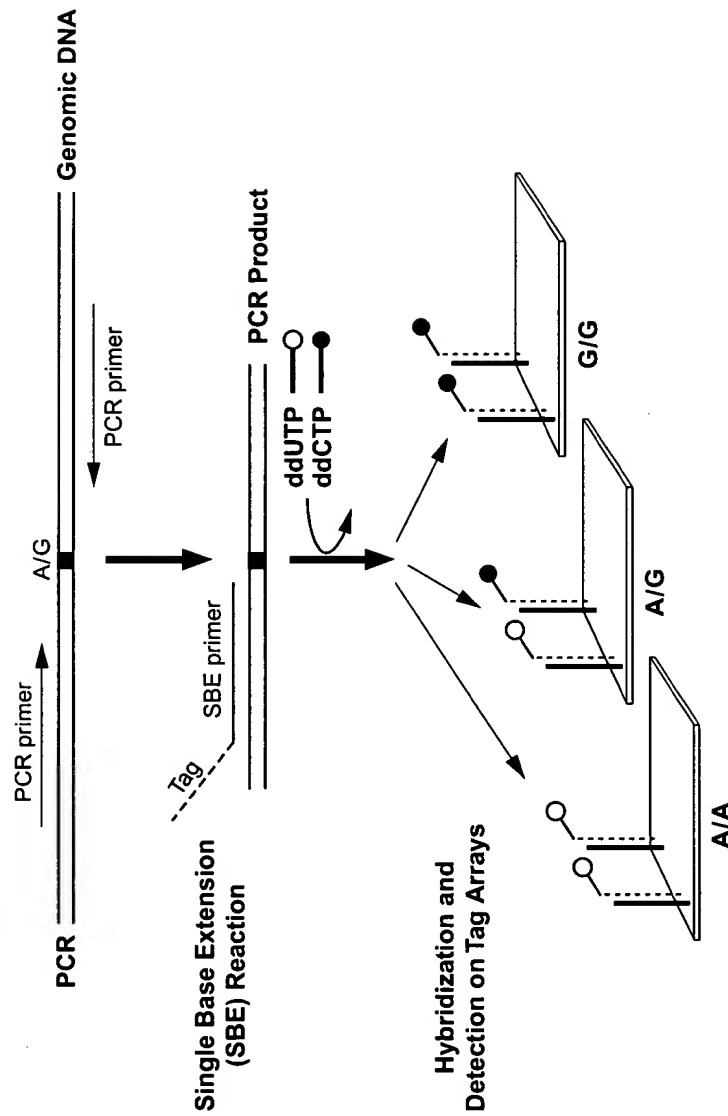


FIGURE 13



REPLACEMENT SHEET

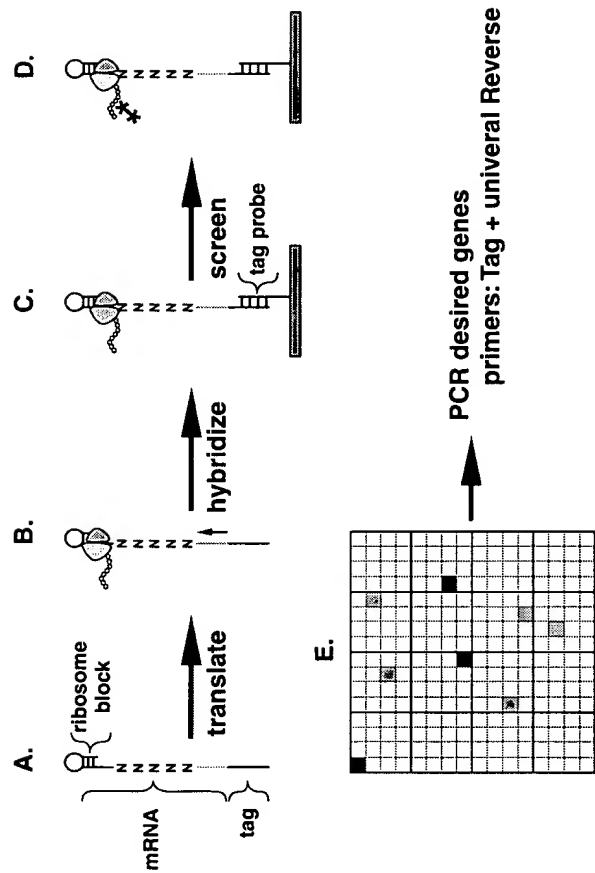


FIGURE 14



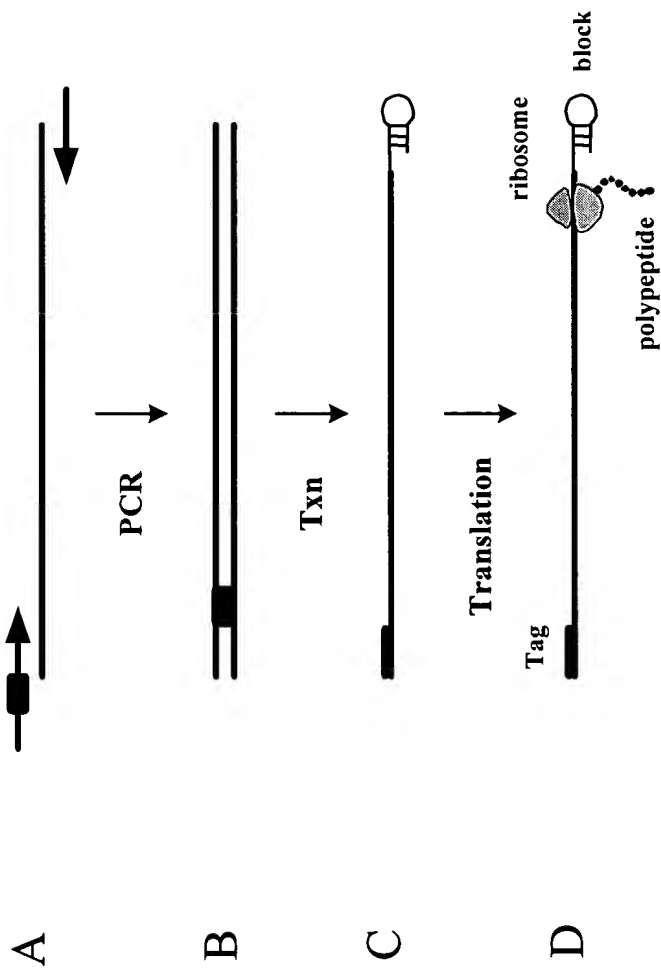
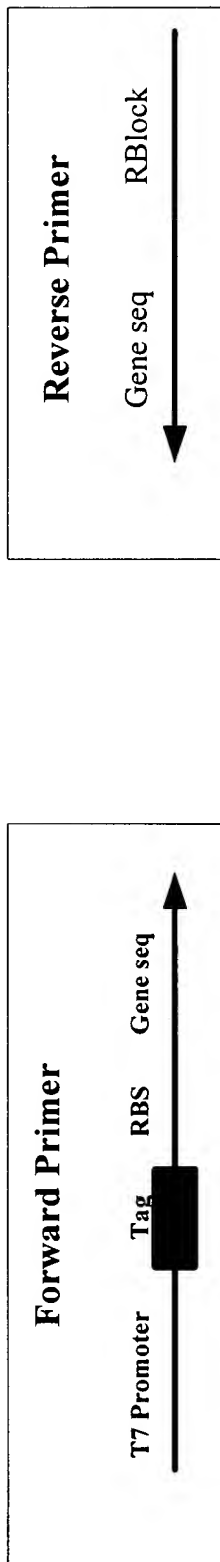


Figure 15

